

04/01
04/01
OIPE

04/01

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/775,009DATE: 03/01/2001
TIME: 09:37:54Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\02282001\I775009.raw

ENTERED

3 <110> APPLICANT: Chiang, Lillian Wei-Ming
 5 <120> TITLE OF INVENTION: NARC8 Programmed Cell Death-Associated
 6 Molecule and Uses Thereof
 10 <130> FILE REFERENCE: 35800/207197
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/775,009
 C--> 12 <141> CURRENT FILING DATE: 2001-02-01
 12 <150> PRIOR APPLICATION NUMBER: 09/692,785
 13 <151> PRIOR FILING DATE: 2000-10-20
 15 <150> PRIOR APPLICATION NUMBER: 60/161,188
 16 <151> PRIOR FILING DATE: 1999-10-22
 18 <160> NUMBER OF SEQ ID NOS: 7
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1507
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <220> FEATURE:
 28 <221> NAME/KEY: CDS
 29 <222> LOCATION: (368)...(1261)
 31 <400> SEQUENCE: 1
 32 gttggagcga gcatgtgggt ctgcagtacc ctgtggcggt tgcgaaacccc cgccggcag 60
 33 tggggggc tyctcccaac ttctggctgt cacggacctg cccgcctccct ctactccgca 120
 34 tccggcggc ctggccgggt cggggcggt gtctatgggc accacgggaa tccagccaag 180
 35 gtcgtcggaaa ccgttaattcc tggcaca tggcagatca gaaatgtgc ctgacactact 240
 36 ttgaggagat gatttgagcc aaacacccat totagctgg atgacatgaa catctccgtt 300
 37 tggcttgcg ctttagactca agaacctgga gctatgtgtc gtgagaggat cagatgtccg 360
 38 tgtgaag atg ctg gcg gcc cct atc aat cca tct gac ata aat atg atc 409
 39 Met Leu Ala Ala Pro Ile Asn Pro Ser Asp Ile Asn Met Ile
 40 1 5 10
 42 caa gga aac tac gga ctc ctt cct gaa ctg cct gct gtt gga ggg aac 457
 43 Gln Gly Asn Tyr Gly Leu Leu Pro Glu Leu Pro Ala Val Gly Gly Asn
 44 15 20 25 30
 46 gaa ggt gtt gca cag gtg gta gct ggt ggc agc aat gtg acc ggg ctg 505
 47 Glu Gly Val Ala Gln Val Val Ala Val Gly Ser Asn Val Thr Gly Leu
 48 35 40 45
 50 aag cca gga gac tgg gtg att cca gca aat gct ggt tta gga acc tgg 553
 51 Lys Pro Gly Asp Trp Val Ile Pro Ala Asn Ala Gly Leu Gly Thr Trp
 52 50 55 60
 54 cgg acc gag gct gtg ttc agc gag gaa gca ctg atc cca gtt ccg agt 601
 55 Arg Thr Glu Ala Val Phe Ser Glu Glu Ala Leu Ile Gln Val Pro Ser
 56 65 70 75
 58 gac atc cct ctt cag agc gct gcc acc ctg ggt gtc aat ccc tgc aca 649
 59 Asp Ile Pro Leu Gln Ser Ala Ala Thr Leu Gly Val Asn Pro Cys Thr
 60 80 85 90
 62 gcc tac agg atg ttg atg gat ttc gag caa ctg cag cca ggg gat tct 697
 63 Ala Tyr Arg Met Leu Met Asp Phe Glu Gln Leu Gln Pro Gly Asp Ser
 64 95 100 105 110

RAW SEQUENCE LISTING DATE: 03/01/2001
 PATENT APPLICATION: US/09/775,009 TIME: 09:37:54

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF3\02282001\I775009.raw

| | | | | | | | | | | | | | | | | | |
|-----|------------|------------|--------------|------------|------------|-------------|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|------|
| 66 | gtc | atc | cag | aat | gca | tcc | aac | agc | gga | gtg | ggg | caa | gcg | gtc | atc | cag | 745 |
| 67 | Val | Ile | Gln | Asn | Ala | Ser | Asn | Ser | Gly | Val | Gly | Gln | Ala | Val | Ile | Gln | |
| 68 | | | | 115 | | | | | 120 | | | | | | 125 | | |
| 70 | atc | gcc | gca | gcc | ctg | ggc | cta | aga | acc | atc | aat | gtg | gtc | cga | gac | aga | 793 |
| 71 | Ile | Ala | Ala | Ala | Leu | Gly | Leu | Arg | Thr | Ile | Asn | Val | Val | Arg | Asp | Arg | |
| 72 | | | | | 130 | | | | 135 | | | | | 140 | | | |
| 74 | cct | gat | atc | cag | aag | ctg | agt | gac | aga | ctg | aag | agt | ctg | ggg | gct | gag | 841 |
| 75 | Pro | Asp | Ile | Gln | Lys | Leu | Ser | Asp | Arg | Leu | Lys | Ser | Leu | Gly | Ala | Glu | |
| 76 | | | | 145 | | | | | 150 | | | | 155 | | | | |
| 78 | cat | gtc | atc | aca | gaa | gag | gag | cta | aga | agg | ccc | gaa | atg | aaa | aac | ttc | 889 |
| 79 | His | Val | Ile | Thr | Glu | Glu | Glu | Leu | Arg | Arg | Pro | Glu | Met | Lys | Asn | Phe | |
| 80 | | | | 160 | | | | 165 | | | | 170 | | | | | |
| 82 | ttt | aag | gac | atg | ccc | cag | cca | cg | ctt | gt | ctc | aa | tgt | gtt | gg | gg | 937 |
| 83 | Phe | Lys | Asp | Met | Pro | Gln | Pro | Arg | Leu | Ala | Leu | Asn | Cys | Val | Gly | Gly | |
| 84 | | | | 175 | | | | 180 | | | 185 | | | 190 | | | |
| 86 | aaa | agc | tcc | aca | gag | ctg | ctg | cg | cag | tta | g | cgt | gga | gga | acc | atg | 985 |
| 87 | Lys | Ser | Ser | Thr | Glu | Glu | Glu | Leu | Leu | Arg | Gln | Leu | Ala | Arg | Gly | Gly | Thr |
| 88 | | | | | 195 | | | | 200 | | | 205 | | | | | |
| 90 | gta | acc | tat | ggg | ggg | atg | gcc | aag | cag | ccc | gtc | gta | gcc | tct | gtg | agc | 1033 |
| 91 | Val | Thr | Tyr | Gly | Gly | Met | Ala | Lys | Gln | Pro | Val | Val | Ala | Ser | Val | Ser | |
| 92 | | | | | 210 | | | 215 | | | 220 | | | | | | |
| 94 | ctg | ctc | att | ttt | aag | gat | ctc | aaa | ctt | cga | ggc | ttt | tgg | ttg | tcc | cag | 1081 |
| 95 | Leu | Leu | Ile | Phe | Lys | Asp | Leu | Lys | Leu | Arg | Gly | Phe | Trp | Leu | Ser | Gln | |
| 96 | | | | | 225 | | | 230 | | | 235 | | | | | | |
| 98 | tgg | aag | aag | gat | cac | agt | cca | gac | cag | ttc | aag | gag | ctg | atc | ctc | aca | 1129 |
| 99 | Trp | Lys | Lys | Asp | His | Ser | Pro | Asp | Gln | Phe | Lys | Glu | Leu | Ile | Leu | Thr | |
| 100 | | | | | 240 | | | 245 | | | 250 | | | | | | |
| 102 | ctg | tgc | gat | ctc | atc | cgc | cga | ggc | cag | ctc | aca | gcc | cct | gcc | tgc | tcc | 1177 |
| 103 | Leu | Cys | Asp | Leu | Ile | Arg | Arg | Gly | Gln | Leu | Thr | Ala | Pro | Ala | Cys | Ser | |
| 104 | | | | | 255 | | | 260 | | | 265 | | | 270 | | | |
| 106 | cag | gtc | cog | ctg | cag | gac | tac | cag | tct | gcc | ttt | gaa | gcc | tcc | atg | aag | 1225 |
| 107 | Gln | Val | Pro | Leu | Gln | Asp | Tyr | Gln | Ser | Ala | Leu | Glu | Ala | Ser | Met | Lys | |
| 108 | | | | | 275 | | | 280 | | | 285 | | | | | | |
| 110 | ccc | tcc | ata | tct | tca | aag | cag | att | ctc | acc | atg | tga | tcatcccaa | | | | 1271 |
| 111 | Pro | Phe | Ile | Ser | Ser | Lys | Gln | Ile | Leu | Thr | Met | * | | | | | |
| 112 | | | | | 290 | | | 295 | | | | | | | | | |
| 114 | agagctggag | tgacatggga | ggggaggcgg | atctgagggg | ctgggtgcag | gccccctcagt | | | | | | | | | | | 1331 |
| 115 | tggggctccc | acccccc | gactactgtt | ctccctactg | cctcttctta | ttaggaggat | | | | | | | | | | | 1391 |
| 116 | ggtgaagcca | gccacgggtt | tccccaggc | cagccttaag | gtatctaata | aagtctgaac | | | | | | | | | | | 1451 |
| 117 | tctcccttcc | aaaaaaaaaa | aaaaaaaaaa | aaaaaaaaaa | aaaaaaaaaa | aaaaaaaaaa | | | | | | | | | | | 1507 |
| 119 | <210> | SEQ ID NO: | 2 | | | | | | | | | | | | | | |
| 120 | <211> | LENGTH: | 297 | | | | | | | | | | | | | | |
| 121 | <212> | TYPE: | PRT | | | | | | | | | | | | | | |
| 122 | <213> | ORGANISM: | Homo sapiens | | | | | | | | | | | | | | |
| 124 | <400> | SEQUENCE: | 2 | | | | | | | | | | | | | | |
| 125 | Met | Leu | Ala | Ala | Pro | Ile | Asn | Pro | Ser | Asp | Ile | Asn | Met | Ile | Gln | Gly | |
| 126 | 1 | | | 5 | | | | 10 | | | 15 | | | | | | |
| 127 | Asn | Tyr | Gly | Leu | Leu | Pro | Glu | Leu | Pro | Ala | Val | Gly | Gly | Asn | Glu | Gly | |
| 128 | | | | | 20 | | | 25 | | | 30 | | | | | | |

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/775,009

DATE: 03/01/2001

TIME: 09:37:54

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02282001\I775009.raw

129 Val Ala Gln Val Val Ala Val Gly Ser Asn Val Thr Gly Leu Lys Pro
 130 35 40 45
 131 Gly Asp Trp Val Ile Pro Ala Asn Ala Gly Leu Gly Thr Trp Arg Thr
 132 50 55 60
 133 Glu Ala Val Phe Ser Glu Glu Ala Leu Ile Gln Val Pro Ser Asp Ile
 134 65 70 75 80
 135 Pro Leu Gln Ser Ala Ala Thr Leu Gly Val Asn Pro Cys Thr Ala Tyr
 136 85 90 95
 137 Arg Met Leu Met Asp Phe Glu Gln Leu Gln Pro Gly Asp Ser Val Ile
 138 100 105 110
 139 Gln Asn Ala Ser Asn Ser Gly Val Gly Gln Ala Val Ile Gln Ile Ala
 140 115 120 125
 141 Ala Ala Leu Gly Leu Arg Thr Ile Asn Val Val Arg Asp Arg Pro Asp
 142 130 135 140
 143 Ile Gln Lys Leu Ser Asp Arg Leu Lys Ser Leu Gly Ala Glu His Val
 144 145 150 155 160
 145 Ile Thr Glu Glu Leu Arg Arg Pro Glu Met Lys Asn Phe Phe Lys
 146 165 170 175
 147 Asp Met Pro Gln Pro Arg Leu Ala Leu Asn Cys Val Gly Gly Lys Ser
 148 180 185 190
 149 Ser Thr Glu Leu Leu Arg Gln Leu Ala Arg Gly Gly Thr Met Val Thr
 150 195 200 205
 151 Tyr Gly Gly Met Ala Lys Gln Pro Val Val Ala Ser Val Ser Leu Leu
 152 210 215 220
 153 Ile Phe Lys Asp Leu Lys Leu Arg Gly Phe Trp Leu Ser Gln Trp Lys
 154 225 230 235 240
 155 Lys Asp His Ser Pro Asp Gln Phe Lys Glu Leu Ile Leu Thr Leu Cys
 156 245 250 255
 157 Asp Leu Ile Arg Arg Gly Gln Leu Thr Ala Pro Ala Cys Ser Gln Val
 158 260 265 270
 159 Pro Leu Gln Asp Tyr Gln Ser Ala Leu Glu Ala Ser Met Lys Pro Phe
 160 275 280 285
 161 Ile Ser Ser Lys Gln Ile Leu Thr Met
 162 290 295
 164 <210> SEQ ID NO: 3
 165 <211> LENGTH: 894
 166 <212> TYPE: DNA
 167 <213> ORGANISM: Homo sapiens
 169 <400> SEQUENCE: 3
 170 atgctggcgg cccctataaa tccatctgac ataaatataa tccaaaggaaaa ctacggactc 60
 171 cttcctgaac tgcctgctgt tggagggAAC gaagggtttg cacaggtggt agcgggtggc 120
 172 agcaatgtga ccgggctgaa qccaggagac tgggtgattc cagcaaatgc tggtttagga 180
 173 acctggcggc ccgaggctgt gttcagcgag gaagcactga tccaaaggcc gagttgacatc 240
 174 cctttcaga gcgctgccac cctgggtgtc aatccctgca cagcctacag gatgttgatg 300
 175 gatttcgagc aactgcagcc aggggattct gtcatccaga atgcataccaa cagcggagtg 360
 176 gggcaagcgg tcatccagat cggcccgagcc ctgggcctaa gaaccatcaa tgggtccga 420
 177 gacagacctg atatccagaa gctgagtgc agactgaaga gtctggggc tgagcatgtc 480
 178 atcacagaag aggagctaag aaggccccaa atgaaaaact tcttaagga catgccccag 540
 179 ccacggcttg ctctcaactg tgggtgggg aaaaagctcca cagagctgtc gcggcagtta 600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/775,009

DATE: 03/01/2001
TIME: 09:37:54

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\02282001\I775009.raw

| | | | | | | | | | | |
|-----|--------------|-------------------------|-------------|-------------|-------------|-----------------|-------------|-------------|-----|-----|
| 180 | gcgcgtggag | gaaccatgg | aacctatgg | gggatggcca | agcagccgt | cgtggctct | 660 | | | |
| 181 | gtgagcctgc | tcattttaa | ggatctaaa | tttcgaggct | tttgggtgtc | ccagtggaa | 720 | | | |
| 182 | aaggatcaca | gtccagacca | tttcaaggag | ctgatcctca | caactgtgcga | tctcatccgc | 780 | | | |
| 183 | cgaggccagc | tcacagcccc | tgcctgctcc | caggccccgc | tgcaggacta | ccagtctgcc | 840 | | | |
| 184 | tttggaaaggct | ccatgaagcc | cttcataatct | tcaaaggaga | tttctcaccat | gtga | 894 | | | |
| 186 | <210> | SEQ ID NO: 4 | | | | | | | | |
| 187 | <211> | LENGTH: 1380 | | | | | | | | |
| 188 | <212> | TYPE: DNA | | | | | | | | |
| 189 | <213> | ORGANISM: Homo sapiens | | | | | | | | |
| 191 | <220> | FEATURE: | | | | | | | | |
| 192 | <221> | NAME/KEY: CDS | | | | | | | | |
| 193 | <222> | LOCATION: (13)...(1134) | | | | | | | | |
| 195 | <400> | SEQUENCE: 4 | | | | | | | | |
| 196 | atggagcga | gc atg tgg | gtc tgc | agt acc ctg | tgg cgg | gtg cga acc ccc | 51 | | | |
| 197 | | Met | Trp | Val | Cys | Ser Thr | | | | |
| 198 | 1 | 5 | 10 | | | | | | | |
| 200 | gcc cgg | cag tgg | cggtt | ctg ctc | cca gct | tct ggc | tgt cac gga | cct | 99 | |
| 201 | Ala Arg | Gln Trp | Arg Gly | Leu Leu | Pro Ala | Ser Gly | Cys His Gly | Pro | | |
| 202 | 15 | 20 | 25 | | | | | | | |
| 204 | gcc gcc | tcc tcc | tac tcc | gca tcc | gcc gag | cct gcc | ccg gtc | ccg gcg | 147 | |
| 205 | Ala Ala | Ser Ser | Tyr Ser | Ala Ser | Ala Glu | Pro Ala | Arg Val | Arg Ala | | |
| 206 | 30 | 35 | 40 | 45 | | | | | | |
| 208 | ctt gtc | tat ggg | cac cac | ggg gat | ccaa | gcc aag | gtc gtc | gaa ctc | aag | 195 |
| 209 | Leu Val | Tyr Gly | His His | Gly Asp | Pro Ala | Lys Val | Val Glu | Lys Leu | | |
| 210 | 50 | 55 | 60 | | | | | | | |
| 212 | aac ctg | gag cta | gct gtc | gtg aga | gga tca | gat gtc | cgt gtg | aag atg | 243 | |
| 213 | Asn Leu | Glu Leu | Ala Ala | Val Arg | Gly Ser | Asp Val | Arg Val | Lys Met | | |
| 214 | 65 | 70 | 75 | | | | | | | |
| 216 | ctg gcg | gcc cct | atc aat | ccatct | gac ata | aat atg | atc caa | gga aac | 291 | |
| 217 | Leu Ala | Ala Pro | Ile Asn | Pro Ser | Asp Ile | Asn Met | Ile Gln | Gly Asn | | |
| 218 | 80 | 85 | 90 | | | | | | | |
| 220 | tac gga | ctc ctt | cct gaa | ctg cct | gct gtt | gga ggg | aac gaa | ggt gtt | 339 | |
| 221 | Tyr Gly | Leu Leu | Pro Glu | Leu Pro | Ala Val | Gly Asn | Glu Gly | Val | | |
| 222 | 95 | 100 | 105 | | | | | | | |
| 224 | gea cag | gtg gta | gct gtc | ggc agc | aat gtg | acc ggg | ctg aag | cca gga | 387 | |
| 225 | Ala Gln | Val Val | Ala Val | Gly Ser | Asn Val | Thr Gly | Leu Lys | Pro Gly | | |
| 226 | 110 | 115 | 120 | 125 | | | | | | |
| 228 | gac tgg | gtt att | ccatca | gca aat | gct ggt | tta gga | acc tgg | ccg acc gag | 435 | |
| 229 | Asp Trp | Val Ile | Pro Ala | Asn Ala | Gly Leu | Gly Thr | Trp Arg | Thr Glu | | |
| 230 | 130 | 135 | 140 | | | | | | | |
| 232 | gct gtg | ttc agc | gag gaa | gca ctg | atc caa | gtt ccg | agt gac | atc cct | 483 | |
| 233 | Ala Val | Phe Ser | Glu Glu | Ala Leu | Ile Gln | Val Pro | Ser Asp | Ile Pro | | |
| 234 | 145 | 150 | 155 | | | | | | | |
| 236 | ctt cag | agc gct | gcc acc | ctg ggt | gtc aat | ccc tgc | aca gcc | tac agg | 531 | |
| 237 | Leu Gln | Ser Ala | Ala Thr | Leu Gly | Val Asn | Pro Cys | Thr Ala | Tyr Arg | | |
| 238 | 160 | 165 | 170 | | | | | | | |
| 240 | atg ttg | atg gat | ttc gag | caa ctg | cag cca | ggg gat | tct gtc | atc cag | 579 | |
| 241 | Met Leu | Met Asp | Phe Glu | Gln Leu | Gln Pro | Gly Asp | Ser Val | Ile Gln | | |
| 242 | 175 | 180 | 185 | | | | | | | |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/775,009

DATE: 03/01/2001
TIME: 09:37:54

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\02282001\I775009.raw

| | |
|---|------|
| 244 aat gca tcc aac agc gga gtg ggg caa gcg gtc atc cag atc gcc gca | 627 |
| 245 Asn Ala Ser Asn Ser Gly Val Gly Gln Ala Val Ile Gln Ile Ala Ala | |
| 246 190 195 200 205 | |
| 248 gcc ctg ggc cta aga acc atc aat gtg gtc cga gac aga cct gat atc | 675 |
| 249 Ala Leu Gly Leu Arg Thr Ile Asn Val Val Arg Asp Arg Pro Asp Ile | |
| 250 210 215 220 | |
| 252 cag aag ctg agt gac aga ctg aag agt ctg ggg gct gag cat gtc atc | 723 |
| 253 Gln Lys Leu Ser Asp Arg Leu Lys Ser Leu Gly Ala Glu His Val Ile | |
| 254 225 230 235 | |
| 256 aca gaa gag gag cta aga agg ccc gaa atg aaa aac ttc ttt aag gac | 771 |
| 257 Thr Glu Glu Leu Arg Arg Pro Glu Met Lys Asn Phe Phe Lys Asp | |
| 258 240 245 250 | |
| 260 atg ccc cag cca cgg ctt gct ctc aac tgt gtt ggt ggg aaa agc tcc | 819 |
| 261 Met Pro Gln Pro Arg Leu Ala Leu Asn Cys Val Gly Gly Lys Ser Ser | |
| 262 255 260 265 | |
| 264 aca gag ctg ctg cgg cag tta gcg cgt gga gga acc atg gta acc tat | 867 |
| 265 Thr Glu Leu Leu Arg Gln Leu Ala Arg Gly Gly Thr Met Val Thr Tyr | |
| 266 270 275 280 285 | |
| 268 ggg ggg atg gcc aag cag ccc gtc gta gcc tct gtg agc ctg ctc att | 915 |
| 269 Gly Gly Met Ala Lys Gln Pro Val Val Ala Ser Val Ser Leu Leu Ile | |
| 270 290 295 300 | |
| 272 ttt aag gat ctc aaa ctt cga ggc ttt tgg ttg tcc cag tgg aag aag | 963 |
| 273 Phe Lys Asp Leu Lys Leu Arg Gly Phe Trp Leu Ser Gln Trp Lys Lys | |
| 274 305 310 315 | |
| 276 gat cac agt cca gac cag ttc aag gag ctg atc ctc aca ctg tgc gat | 1011 |
| 277 Asp His Ser Pro Asp Gln Phe Lys Glu Leu Ile Leu Thr Leu Cys Asp | |
| 278 320 325 330 | |
| 280 ctc atc cgc cga ggc cag ctc aca gcc cct gcc tgc tcc cag gtc ccg | 1059 |
| 281 Leu Ile Arg Arg Gly Gln Leu Thr Ala Pro Ala Cys Ser Gln Val Pro | |
| 282 335 340 345 | |
| 284 ctg cag gac tac cag tct gcc ttg gaa gcc tcc atg aag ccc ttc ata | 1107 |
| 285 Leu Gln Asp Tyr Gln Ser Ala Leu Glu Ala Ser Met Lys Pro Phe Ile | |
| 286 350 355 360 365 | |
| 288 tct tca aag cag att ctc acc atg tga tcatccaaa agagctggag | 1154 |
| 289 Ser Ser Lys Gln Ile Leu Thr Met * | |
| 290 370 | |
| 292 tgacatggga ggggaggcgg atctgagggg ctgggtgcag gcccctcagt tggggctccc | 1214 |
| 293 accttccccca gactactgtt ctccctcactg cctcttccta ttaggaggat ggtgaagcca | 1274 |
| 294 gccacggttt tccccagggc cagccttaag gtatctaata aagtctgaac tctcccttcc | 1334 |
| 295 aaa | 1380 |
| 297 <210> SEQ ID NO: 5 | |
| 298 <211> LENGTH: 373 | |
| 299 <212> TYPE: PRT | |
| 300 <213> ORGANISM: Homo sapiens | |
| 302 <400> SEQUENCE: 5 | |
| 303 Met Trp Val Cys Ser Thr Leu Trp Arg Val Arg Thr Pro Ala Arg Gln | |
| 304 1 5 10 15 | |
| 305 Trp Arg Gly Leu Leu Pro Ala Ser Gly Cys His Gly Pro Ala Ala Ser | |
| 306 20 25 30 | |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/775,009

DATE: 03/01/2001

TIME: 09:37:55

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02282001\I775009.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other: _____

Applicant Must Provide:

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE